

Makris, Susan

From: Makris, Susan
Sent: Thursday, June 06, 2013 10:56 AM
To: Paula Johnson
Cc: Chiu, Weihsueh; Jinot, Jennifer
Subject: Information request (Johnson et al., 2008)

Dear Paula, Perhaps you will recall that I had contacted you a number of years ago regarding fetal data for your drinking water study with TCE (Johnson et al., 2008). Thank you again for the information you sent at that time. Now, I have another favor to ask....

In the context of using this study to develop acute and short-term reference values, an EPA colleague has requested additional detailed information on daily doses of TCE to the maternal rats. The paper indicates that the drinking water formulations were prepared daily, and that the intake amounts by the rats were calculated using information on the average breakdown of TCE within a 24-hr period. From this description, it is presumed that daily intake values for each animal were recorded throughout gestation. Would it be possible for you to provide some additional details as to the dosing methods and data, such as:

- What specifically was measured at what times (e.g., concentration of TCE, amount of water in bottle, at the beginning and end of each 24 period?).
- Magnitude of the change in concentration over the 24 hour period (are we talking about a 5%, 10%, 50% decline in concentration over the day?).
- How doses were calculated (e.g., average of measurements; assumption of first-order decay, etc.).
- How you interpreted changes in concentration – e.g., due to degradation, volatilization, both – and how you came to that conclusion.
- Whether specific types of bottles/stoppers or other measures were used to limit degradation, volatilization, spillage, etc.
- Whether pregnant animals were housed individually or in groups, in the same room or not, separated by dose group or not. What type of cages (and bedding if box cages) were used.
- Any individual and group daily water consumption and body weight data, so as to assess the variability between animals and between different days of the experiment.
- Any other corollary pertinent information such as water spillage/leakage.

I appreciate any information you can provide. Thanks again and best regards, Sue

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